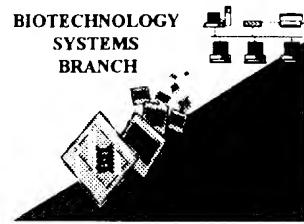


*(R) refield*

## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/004,395A

Art Unit / Team No.:

1645

Date Processed by STIC:

3/29/99

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**

PAGE: 1

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/004,395A**

 DATE: 03/29/1999  
 TIME: 08:44:46

Input Set: I004395A.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

1 <110> Gilmore Jr., Robert D  
 2 Johnson, Barbara JB  
 3 <120> RECOMBINANT P37/FlaA AS A DIAGNOSTIC REAGENT  
 4 <130> 97,429  
 5 <140> US/09/004,395A  
 6 <141> 1998-01-08  
 7 <160> 6  
 8 <170> Microsoft Word 97

*Does Not Comply  
Corrected Diskette Needed.*
**ERRORED SEQUENCES FOLLOW**

E--> 9 <210> 2.  
 10 <211> 320 *(please include negative-hundreded amino acids)*  
 11 <212> PRT  
 12 <213> B.burgdorferi  
 13 <400> 2  
 14 Met Lys Arg Lys Ala Lys Ser Ile Leu Phe Phe Leu Leu Ser Thr Val  
 15 -22 -20 -15 -10  
 16 Leu Phe Ala Gln Glu Thr Asp Gly Leu Ala Glu Gly Ser Lys Arg Ala  
 17 -5 1 5 10  
 18 Glu Pro Gly Glu Leu Val Leu Asp Phe Ala Glu Leu Ala Arg Asp Pro  
 19 15 20 25  
 20 Ser Ser Thr Arg Leu Asp Leu Thr Asn Tyr Val Asp Tyr Val Tyr Ser  
 21 30 35 40  
 22 Gly Ala Ser Gly Ile Val Lys Pro Glu Asp Met Val Val Asp Leu Gly  
 23 45 50 55  
 24 Ile Asn Asn Trp Ser Val Leu Leu Thr Pro Ser Ala Arg Leu Gln Ala  
 25 60 65 70  
 26 Tyr Val Lys Asn Ser Val Val Ala Pro Ala Val Val Lys Ser Glu Ser  
 27 75 80 85 90  
 28 Lys Arg Tyr Ala Gly Asp Thr Ile Leu Gly Val Arg Val Leu Phe Pro  
 140 145 150  
 34 Asp Asn Ile Lys Thr Met Lys Glu Ile Lys Val Ser Val Tyr Ser Leu  
 35

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/004,395ADATE: 03/29/1999  
TIME: 08:44:46

Input Set: I004395A.RAW

40 Leu Ile Trp Ser Asn Pro Asn Tyr Ile Pro Asn Ile Ser Ser Arg Ile  
 41 190 195 200  
 42 Ile Lys Asp Asp Val Pro Asn Tyr Pro Leu Ala Ser Ser Lys Met Arg  
 43 205 210 215  
 44 Phe Lys Ala Phe Arg Val Ser Lys Ser His Ser Ser Lys Val Lys Asn  
 45 220 225 230  
 46 Phe Ile Phe Tyr Val Lys Asp Leu Arg Val Leu Tyr Asp Lys Leu Ser  
 47 235 240 245 250  
 48 Val Ser Ile Asp Ser Asp Ile Asp Ser Glu Ser Val Phe Lys Val Tyr  
 49 255 260 265  
 50 Glu Thr Ser Gly Thr Glu Ser Leu Arg Lys Leu Lys Ala His Glu Thr  
 51 270 275 280  
 52 Phe Lys Arg Val Leu Lys Leu Arg Glu Lys Ile Ser Ile Ala Glu Gly  
 53 285 290 295  
 54 Ser Phe Gln Asn Phe Val Glu Lys Ile Glu Ser Glu Lys Pro Glu Glu  
 55 300 305 310  
 W--> 56 Ser Ser Pro Lys Asn  
 E--> 57 315 320 ← the CFT program deleted the ending stop codon (+)

---

58 <210> 6  
 59 <211> 21  
 60 <212> DNA  
 61 <213> B.burgdorferi  
 62 <400> 6  
 63 ctaattttc ggagatgatt c

E--&gt; 64 ①

*delete it if file*

(please delete it in  
your corrected file)

21

Please review the  
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to  
<223> fields of each sequence which presents at least one n or Xxx.

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**VERIFICATION SUMMARY**  
PATENT APPLICATION US/09/004, 395A

DATE: 03/29/1999  
TIME: 08:44:46

Input Set: I004395A.RAW

Line ? Error/Warning	Original Text
----------------------	---------------

10 E Input 320, Calc Seq.Length 341 differ	<211> 320
56 W Line data has been corrected	Ser Ser Pro Lys Asn *
57 E Invalid/Missing Amino Acid Numbering	315 320
64 E Number of Bases conflict w/ Running Total 1	

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**CORRECTION SUMMARY**  
PATENT APPLICATION US/09/004,395A

DATE: 03/29/1999  
TIME: 08:44:46

Input Set: I004395A.RAW

Line Original Text

Corrected Data

-----  
56 Ser Ser Pro Lys Asn \*

Ser Ser Pro Lys Asn